

if a English version is needed, please let me know

A horizontal row of 15 empty rectangular boxes, likely used for input fields or placeholder text in a form.

□□ □□□ email: gulifan@hotmail.com

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图灵测试（Turing Test）

A horizontal row of fifteen empty square boxes, intended for children to draw or write in.

[1] [2] [3] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14] [15] [16] [17] [18] [19] [20] [21] [22] [23] [24] [25] [26] [27] [28] [29] [30] [31] [32] [33] [34] [35] [36] [37] [38] [39] [40] [41] [42] [43] [44] [45] [46] [47] [48] [49] [50] [51] [52] [53] [54] [55] [56] [57] [58] [59] [60] [61] [62] [63] [64] [65] [66] [67] [68] [69] [70] [71] [72] [73] [74] [75] [76] [77] [78] [79] [80] [81] [82] [83] [84] [85] [86] [87] [88] [89] [90] [91] [92] [93] [94] [95] [96] [97] [98] [99] [100]

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الله رب العالمين Ibn al-Haytham الله رب العالمين

Mathematical Principles of Natural Philosophy Philosophiae Naturalis Principia Mathematica I do not define time, space, place and motion, as being well known to all. Nam tempus, spatium, locum et motum ut omnibus notissima non definio. [2]

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AlphaGo Zero が何を学んだか

□ 19x19 ကြော်လှမ်းပြန်ရန် game ကြော်လှမ်းပြန်ရန်
ကြော်လှမ်းပြန်ရန် game ကြော်လှမ်းပြန်ရန် game ကြော်လှမ်းပြန်ရန်
game ကြော်လှမ်းပြန်ရန်

1) AlphaGo Zero superhuman 100%胜率

superhuman 超人

2) 中国房间论证 Chinese room argument

3) 《自私的基因》(The Selfish Gene / The Immortal Gene)

A horizontal row of seven empty square boxes, intended for handwritten responses.

word-embedding vector space knowledge graph

“**三**”+**一**+**二**，**三**是天，**一**是地，**二**是人。

“我就是想让你知道，你不是唯一一个被我爱着的人。”

Technological Singularity AlphaGo Zero superhuman Quantum Supremacy

1

A horizontal row of fifteen empty square boxes, intended for children to draw or color in.

A decorative horizontal bar consisting of a series of small, evenly spaced rectangular blocks, likely made of wood or a similar material, arranged in a repeating pattern across the width of the page.

□□□□□□□□□□ 1000 □□□□□□□□□

1 11111

200 10% 1% 2

脑科学计划 BRAIN Initiative 脑科学计划

A decorative horizontal bar consisting of a series of small, evenly spaced rectangles.

AlphaGo Zero Superhuman Quantum Supremacy

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量子计算在游戏中的应用 game 在 Nature 中的 Quantum Supremacy [4]

Shor’s algorithm Quantum Supremacy

qubit NISQ noisy intermediate-scale quantum

Quantum Supremacy Sycamore NISQ noise noise noise

Sycamore AlphaGo Zero

Quantum Supremacy noise noise noise

Sycamore Sycamore 200 10000

Quantum Supremacy NISQ John Preskill [5]

Quantum Supremacy Quantum Supremacy Quantum Supremacy Quantum Supremacy Nature

optimization machine learning NISQ noisy Sycamore

noisy

Nature Superhuman Quantum Supremacy

tensor

AlphaGo Zero Superhuman Quantum Supremacy “”

Tensor

Tensor tensor

Tensor Tensor

Tensor

A horizontal row of twelve empty square boxes, each with a black border, intended for children to write their names in.

“…………”“…………”…………

A horizontal row of 30 small, empty rectangular boxes arranged in a single row.

Académie française

A horizontal row of 30 empty rectangular boxes, each with a thin black border, intended for handwritten responses.

Superhuman Quantum Supremacy phrase

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[1] Dialogo sopra i due massimi sistemi del mondo (Dialogue Concerning the Two Chief World Systems), Galileo Galilei, published in 1632.

[2] Philosophiæ Naturalis Principia Mathematica (Mathematical Principles of Natural Philosophy), Isaac Newton, published in 1687.

[3] Mastering the game of Go without human knowledge, Silver D., Schrittwieser J., Simonyan K. et al, published in Nature, on 18 October 2017:

<https://www.nature.com/articles/nature24270>.

[4] Quantum supremacy using a programmable superconducting processor, Arute F. et al, published in Nature, on 23 October, 2019:

<https://www.nature.com/articles/s41586-019-1666-5>

[5] <https://www.quantamagazine.org/john-preskill-explains-quantum-supremacy-20191002/>.